

METHODS OF SAMPLING AND TESTING
MT 328-04
METHOD OF ESTABLISHING FIELD TARGET DENSITY FOR PLANT MIX SURFACING
DENSITY CONTROL

1 Scope:

- 1.1** This method is the procedure for establishing the field target density for compaction control of bituminous mixtures.

2 Referenced Documents:

2.1 *MT Materials Manual:*

MT 321 Procedure for Determining Maximum Specific Gravity of Bituminous Paving Mixtures – “Rice Method”

3 Procedure:

- 3.1** Determine the maximum specific gravity of uncompacted bituminous paving mixtures as per MT 321-“Rice Method”.
- 3.2** At the start of plant mix production use the maximum specific gravity provided in the mix design as the target for compaction control.
- 3.3** When two field maximum specific gravities have been determined using MT 321, average the results. If the difference between the average of the two specific gravities and the mix design Rice Gravity is greater than 0.5 pound per cubic foot (8.0 kg per cubic meter) use the average of the two newest field Rice Gravity tests for the field target Rice Gravity density. This change will become effective at the time the last sample was obtained.
- 3.4** When four (4) field Rice Gravities are completed, average the four test values. If a change of 0.5 pound per cubic foot (8.0 kg per cubic meter) or greater is calculated change to the new average density. This change will become effective at the time the last sample was obtained.
- 3.5** As each additional field Rice Gravity is completed, the results will be added to the results of the previous three gravities and averaged. If a change of 0.5 pound per cubic foot (8.0 kg per cubic meter) or greater is calculated from the last field target density, change to the new average Rice Gravity. This change will become effective at the time the last test was sampled.